TABLE 13

SCRUBBERS OR WET WASHERS

Point Number(from Flow Diagram)	Manufacturer & Model No. (if available)
Name of Abatement Device	Type of Air Contaminant Controlled

GAS STREAM CHARACTERISTICS

Flow Rate (acfm)		Gas Stream Temperature (°F)		Particulate Grain Loading Inlet (grain/scf) Outlet	
Design Maximum	Average Expected	Inlet	Outlet		

PARTICULATE DISTRIBUTION (By Weight)

Micron Range	Inlet	Outlet
0.0-1.0	_____ %	_____ %
0.1-3.0	_____ %	_____ %
3.0-5.0	_____ %	_____ %
5-10	_____ %	_____ %
10-20	_____ %	_____ %
over 20	_____ %	_____ %

SCRUBBING LIQUID CHARACTERISTICS

Scrubbing Liquid		Liquid Injection Rate (gpm)	
Composition	Wt.%	Design Maximum	Average Expected
1. _____	_____		
2. _____	_____		
3. _____	_____		
4. _____	_____		
		Pressure at Spray Nozzle _____ psia	Pressure Drop Through Scrubber _____ H_2O

Type of Scrubber:

☐ Spray Chamber ☐ Orifice ☐ Venturi
☐ Cyclone ☐ Mechanical ☐ Packed Tower Type

Data for Venturi Scrubber		Data for Packed Towers	
Throat Dimensions (Specify Units)	Throat Velocity (ft/sec)	Type of Packing	Superficial Gas Velocity through Bed

Capital Installed Cost $_____ Annual Operating Cost $_____

On separate sheets attach the following:

A. Details regarding principle of operation

B. An assembly drawing (Front and Top View) of the abatement device dimensioned and to scale clearly showing the design, size and shape.

If the device has bypasses, safety valves, etc., include in drawing and specify when such bypasses are to be used and under what conditions.